



387 396 405 414 423 432  
AAT GGT ATC AGA ACT GGA TTT TTT GAT GAA TAC ATG CGT AAC TTT TCA  
N G I R T G F L K I D E Y M R N F S

441 450 459 468 477 486  
GAC CTC AGA AAC GGG ATG GAC AGG AGT GGT TCA ACT GCA GTG GGA GTT ATG ATT  
D L R N G M D R S G S T A V G V M I

495 504 513 522 531 540  
TCA CCT AAG CAT ATC TAC TTT ATC AAC TGT GGT GAT TCA CGT GCT GTT CTG TAT  
S P K H I Y F I N C G D S R A V L Y

549 558 567 576 585 594  
AGG AAT GGA CAA GTC TGC TTT TCT ACC CAG GAT CAC AAA CCT TGC AAT CCA AGG  
R N G Q V C F S T Q D H K P C N P R

603 612 621 630 639 648  
GAA AAG GAG CGA ATC CAA AAT GCA GGA GGC AGC GTG ATG ATA CAA CGT GTT AAT  
E K E R I Q N A G G S V M I Q R V N

657 666 675 684 693 702  
GGT TCA TTA GCA GTA TCT CGT GCT GGT GGG GAC TAT GAT TAC AAG TGT GTT GAT  
G S L A V S R A L G D Y D Y K C V D

711 720 729 738 747 756  
GGC AAG GGC CCA ACA GAA CAA CTT GTT TCT CCA GAG CCT GAG GTT TAT GAA ATT  
G K G P T E Q L V S P E P E V Y E I

FIGURE 1B

765	TTA AGA GCA GAA GAG GAT GAA TTT ATC ATC TTG GCT TGT GAT GGG ATC TGG GAT	774	783	792	801	810
	L R A E E D E F I I L A C D G I W D					
819	GTT ATG AGT AAT GAG GAG CTC TGT GAA TAT GTT AAA TCT AGG CTT GAG GTA TCT	828	837	846	855	864
	V M S N E E E L C E Y V K S R L E V S					
873	GAT GAC CTG GAA AAT GTG TGC AAT TGG GTA GTG GAC ACT TGT TTA CAC AAG GGA	882	891	900	909	918
	D D L E N V C N W V V D T C L H K G					
927	AGT CGA GAT AAC ATG AGT ATT GTA CTA GTT TGC TTT TCA AAT GCT CCC AAG GTC	936	945	954	963	972
	S R D N M S I V L V C F S N A P K V					
981	TCA GAT GAA GCG GTG AAA AAA GAT TCA GAG TTG GAT AAG CAC TTG GAA TCA CGG	990	999	1008	1017	1026
	S D E A V K K D S E L D K H L E S R					
1035	GTT GAA GAG ATT ATG GAG AAG TCT GGC GAG GAA GGA ATG CCT GAT CTT GCC CAT	1044	1053	1062	1071	1080
	V E E I M E E K S G E E G M P D L A H					
1089	GTC ATG CGC ATC TTG TCT GCA GAA AAT ATC CCA AAT TTG CCT CCT GGG GGA GGT	1098	1107	1116	1125	1134
	V M R I L S A E N I P N L P P G G G					

FIGURE 1C

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1143	1152	1161	1170	1179	1188
CTT GCT GGC AAG CGT AAT GTT ATT GAA GCT GTT TAT AGT AGA CTG AAT CCA CAT					
L A G K R N V I E A V Y S R L N P H					
1197	1206	1215	1224	1233	1242
AGA GAA AGT GAT GGG GCC TCC GAT GAA GCA GAG GAA AGT GGA TCA CAG GGA AAA					
R E S D G A S D E A E E S G S Q G K					
1251	1260	1269	1278	1287	1296
TTG GTG GAA GCT CTC AGG CAA ATG AGA ATT AAT CAT AGG GGA AAC TAC CGA CAA					
L V E A L R Q M R I N H R G N Y R Q					
1305	1314	1323	1332	1341	1350
CTT CTG GAG GAG ATG CTG ACT AGT TAC AGG CTA GCT AAA GTA GAG GGA GAA GAA					
L L E E M L T S Y R L A K V E G E E					
1359	1368	1377	1386	1395	1404
AGC CCT GCT GAA CCA GCT GCC ACA GCT ACT TCT TCG AAC AGT GAT GCT GGA AAC					
S P A E P A A T A T S S N S D A G N					
1413	1422	1431	1440	1449	1458
CCA GTG ACA ATG CAG GAA AGC CAT ACT GAA TCA GAA AGT GGT CTT GCT GAA TTA					
P V T M Q E S H T E S E S G L A E L					
1467	1476	1485	1494	1503	1512
GAC AGC TCT AAT GAA GAT GCA GGG ACA AAG ATG AGT GGT GAA AAA ATA TGA CTT					
D S S N E D A G T K M S S G E K I					

FIGURE 1D

205020" DEFE200T

1521	1530	1539	1548	1557	1566
TCC TTT TTG GTA ATA TTT TTG TGA TCT TTG ATG GTT TTT AAC CTA GGA AGT GTA					
1575	1584	1593	1602	1611	1620
ATG TAT GCA TTT ATA TAA CTG TTT TGT TAT TTG AAT CTT GGA AAA CTA GTT TTA					
1629	1638	1647	1656	1665	1674
TTA TAT TCA GAT AGC CTT GTT TTT TAA AAA GGC CTT TGC ATA CAC CTT TAT GAG					
1683	1692	1701	1710	1719	1728
ATA GTG TAA AAT TGA CTA TTT ATA GTA CTA TGG ATT TAA TGA AAT TAT ATG TCA					
1737	1746	1755	1764	1773	1782
TTT CAC ATT GTA TGC CAG AAA TTA GGC TAC CAA TTA TGA ATT AAA GTC AGT AGT					
1791	1800	1809	1818	1827	1836
TAA ATT AAT ACT AGA TAG AAT TAG AAA TTT TGA TTA GAG AGA TTA TGC TAT ATT					
1845	1854	1863	1872	1881	1890
ATG GAA AAA CTT GTT AAT GTA GAA TTA TAC TGC TTC ATA TTA TTT TAC CTA TTA					

FIGURE 1E

1899	1908	1917	1926	1935	1944
GTA CAC TCA TAG TTA GCT TTG TAA TAA ATT TAT GTT TTC TTT AAT AAT TTT AGT					
1953	1962	1971	1980	1989	1998
TCT TCA AAG AAT GGC TGA TGC TGG CCT GTA ATT TTT CTT TCA AGG ATG ATA ATT					
2007	2016	2025	2034	2043	2052
TGT GTG TTG TTT GAT TTG TTT ATA TTT TAC ATC TCT GTA GTT TTA TTT TTA GAA					
2061	2070	2079	2088	2097	2106
GTT GTG AGA TAT TGG ATG TGT GGC TAT TTT TCC TTT CTC TGT ATT CTT TAT GAA					
2115	2124	2133	2142	2151	2160
ACA TAA CTT TTG AAA AAC CTA TGT ATT ATT CAT ACA GCT TTG GTT TGT ATA TTC					
2169	2178	2187	2196	2205	2214
TGT ATA GCC TAA CTA CAC ACA TCA AAA TGT ATG TCA ACC AAG TGT TTA GAA TGA					
2223	2232	2241	2250	2259	2268
AAT TAT AAG TGT TTA AGT CCA AAT AAA GCA TGT GAT GTG GAA TAA TCA AAA AAA					

FIGURE 1F

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Inventors: Bandman et al.  
Title: HUMAN PROTEIN PHOSPHATASE  
Serial No To Be Assigned

205020" 0E12/001

AA 3'

FIGURE 1G

1	M	G	A	F	L	D	K	P	K	T	E	K	H	N	A	H	G	A	G	N	G	L	R	Y	G	L	S	S	M	Q	G	W	R	V	E	M	E	D	A	H	13177
1	M	G	A	F	L	D	K	P	K	T	E	K	H	N	A	H	G	A	G	N	G	L	R	Y	G	L	S	S	M	Q	G	W	R	V	E	M	E	D	A	H	GI 247927
1	M	G	A	F	L	D	K	P	K	T	E	K	H	N	A	H	G	A	G	N	G	L	R	Y	G	L	S	S	M	Q	G	W	R	V	E	M	E	D	A	H	GI 452526
41	T	A	V	V	G	I	P	H	G	L	E	D	W	S	F	F	A	V	Y	D	G	H	A	G	S	R	V	A	N	Y	C	S	T	H	L	L	E	H	I	T	13177
41	T	A	V	V	G	I	P	H	G	L	E	D	W	S	F	F	A	V	Y	D	G	H	A	G	S	R	V	A	N	Y	C	S	T	H	L	L	E	H	I	T	GI 247927
41	T	A	V	V	G	I	P	H	G	L	D	N	W	S	F	F	A	V	Y	D	G	H	A	G	S	R	V	A	N	Y	C	S	T	H	L	L	E	H	I	T	GI 452526
81	T	N	E	D	F	R	A	A	G	K	S	G	S	A	L	E	L	S	V	E	N	V	K	N	G	I	R	T	G	F	L	K	I	D	E	Y	M	R	N	F	13177
81	T	N	E	D	F	R	A	A	D	K	S	G	F	A	L	E	P	S	V	E	N	V	K	T	G	I	R	T	G	F	L	K	I	D	E	Y	M	R	N	F	GI 247927
81	T	N	E	D	F	R	A	A	D	K	S	G	S	A	L	E	P	S	V	E	S	V	K	T	G	I	R	T	G	F	L	K	I	D	E	Y	M	R	N	F	GI 452526
121	S	D	L	R	N	G	M	D	R	S	G	S	T	A	V	G	V	M	I	S	P	K	H	I	Y	F	I	N	C	G	D	S	R	A	V	L	Y	R	N	G	13177
121	S	D	L	R	N	G	M	D	R	S	G	S	T	A	V	G	V	M	I	S	P	T	H	I	Y	F	I	N	C	G	D	S	R	A	V	L	C	R	N	G	GI 247927
121	S	D	L	R	N	G	M	D	R	S	G	S	T	A	V	G	V	M	V	S	P	T	H	M	Y	F	I	N	C	G	D	S	R	A	V	L	C	R	N	G	GI 452526
161	Q	V	C	F	S	T	Q	D	H	K	P	C	N	P	R	E	K	E	R	I	Q	N	A	G	S	V	M	I	Q	R	V	N	G	S	L	A	V	S	R	13177	
161	Q	V	C	F	S	T	Q	D	H	K	P	C	N	P	M	E	K	E	R	I	Q	N	A	G	S	V	M	I	Q	R	V	N	G	S	L	A	V	S	R	GI 247927	
161	Q	V	C	F	S	T	Q	D	H	K	P	C	N	P	V	E	K	E	R	I	Q	N	A	G	S	V	M	I	Q	R	V	N	G	S	L	A	V	S	R	GI 452526	
201	A	L	G	D	Y	D	Y	K	C	V	D	G	K	G	P	T	E	Q	L	V	S	P	E	P	E	V	Y	E	I	L	R	A	E	E	D	E	F	I	I	L	13177
201	A	L	G	D	Y	D	Y	K	C	V	D	G	K	G	P	T	E	Q	L	V	S	P	E	P	E	V	Y	E	I	L	R	A	E	E	D	E	F	V	V	L	GI 247927
201	A	L	G	D	Y	D	Y	K	C	V	D	G	K	G	P	T	E	Q	L	V	S	P	E	P	E	V	Y	E	I	V	R	A	E	E	D	E	F	V	V	L	GI 452526

FIGURE 2A



241	A	C	D	G	I	W	D	V	M	S	N	E	E	L	C	E	Y	V	K	S	R	L	E	V	S	D	D	L	E	N	V	C	N	W	V	V	D	T	C	L	13177
241	A	C	D	G	I	W	D	V	M	S	N	E	E	L	C	E	F	V	N	S	R	L	E	V	S	D	D	L	E	N	V	C	N	W	V	V	D	T	C	L	GI 247927
241	A	C	D	G	I	W	D	V	M	S	N	E	E	L	C	E	F	V	K	S	R	L	E	V	S	D	D	L	E	N	V	C	N	W	V	V	D	T	C	L	GI 452526
281	H	K	G	S	R	D	N	M	S	I	V	L	V	C	F	S	N	A	P	K	V	S	D	E	A	V	K	K	D	S	E	L	D	K	H	L	E	S	R	V	13177
281	H	K	G	S	R	D	N	M	S	I	V	L	V	C	F	A	N	A	P	K	V	S	D	E	A	V	K	R	D	L	E	L	D	K	H	L	E	S	R	V	GI 247927
281	H	K	G	S	R	D	N	M	S	V	V	L	V	C	F	S	N	A	P	K	V	S	E	A	V	K	R	D	S	E	L	D	K	H	L	E	S	R	V	GI 452526	
321	E	E	I	M	E	K	S	G	E	E	G	M	P	D	L	A	H	V	M	R	I	L	S	A	E	N	I	P	N	L	P	P	G	G	L	A	G	K	R	13177	
321	E	E	I	M	Q	K	S	G	E	E	G	M	P	D	L	A	H	V	M	R	I	L	S	A	E	N	I	P	N	L	P	P	G	G	L	A	G	K	R	GI 247927	
321	E	E	I	M	Q	K	S	G	E	E	G	M	P	D	L	A	H	V	M	R	I	L	S	A	E	N	I	P	N	L	P	P	G	G	L	A	G	K	R	GI 452526	
361	N	V	I	E	A	V	Y	S	R	L	N	P	H	R	E	S	D	G	A	S	D	E	A	E	E	S	G	S	Q	G	K	L	V	E	A	L	R	Q	M	R	13177
361	N	V	I	E	A	V	Y	S	R	L	N	P	N	K	D	N	D	G	G	A	G	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 247927	
361	H	V	I	E	A	V	Y	S	R	L	N	P	H	K	D	N	D	G	G	A	G	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 452526	
401	I	N	H	R	G	N	Y	R	Q	L	L	E	E	M	L	T	S	Y	R	L	A	K	V	E	G	E	E	S	P	A	E	P	A	A	T	A	T	S	S	N	13177
383	-	-	-	-	-	-	-	-	-	-	L	E	D	S	L	V	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 247927	
383	-	-	-	-	-	-	-	-	-	-	L	E	D	S	L	V	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 452526	
441	S	D	A	G	N	P	V	T	M	Q	E	S	H	T	E	S	E	S	G	L	A	E	L	D	S	S	N	E	D	A	G	T	K	M	S	G	E	K	I	13177	
390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 247927		
390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GI 452526		

FIGURE 2B

Docket No.: PF-0319-2 DIV  
Inventors: Bandman et al.  
Title: HUMAN PROTEIN PHOSPHATASE  
Serial No.: To Be Assigned

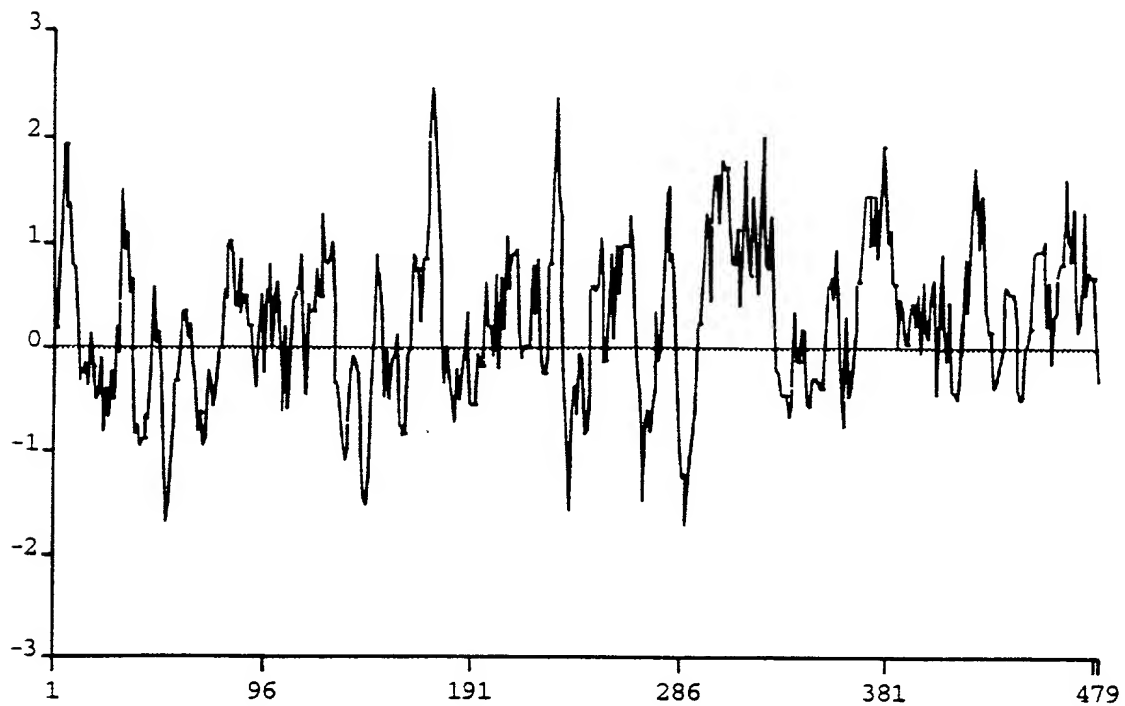


FIGURE 3A

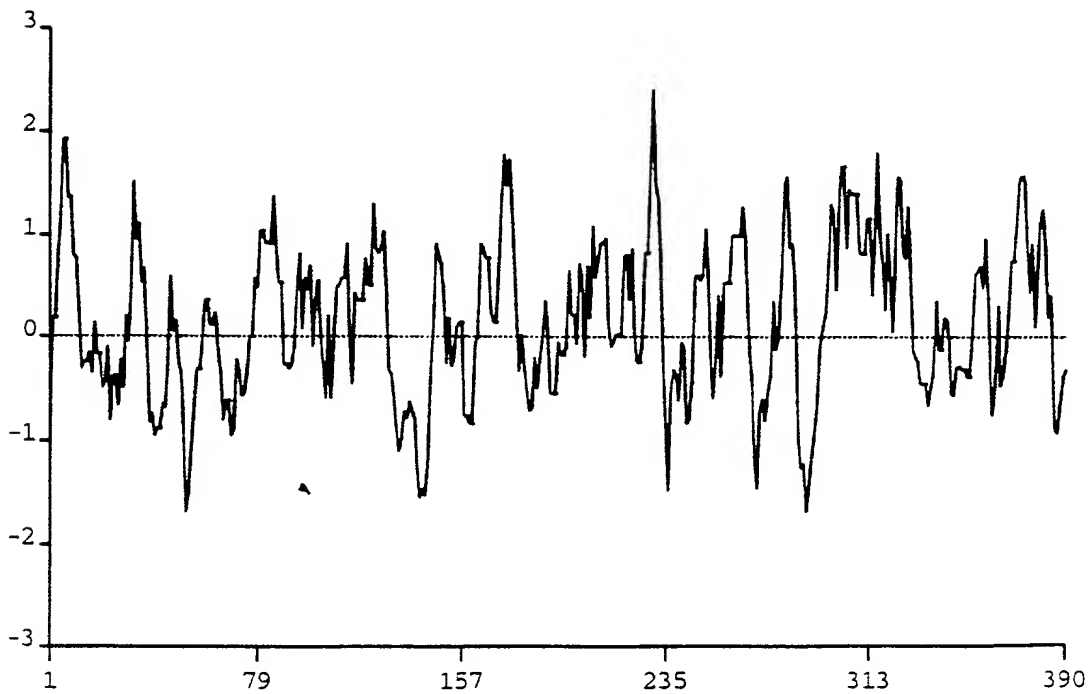


FIGURE 3B

205020"DET200T  
1007130.020502